

Large Language Model Influence on Diagnostic Reasoning

Year: 2024 | Citations: 213 | Authors: Ethan Goh, Robert J. Gallo, Jason Hom

Abstract

Key Points Question Does the use of a large language model (LLM) improve diagnostic reasoning performance among physicians in family medicine, internal medicine, or emergency medicine compared with conventional resources? **Findings** In a randomized clinical trial including 50 physicians, the use of an LLM did not significantly enhance diagnostic reasoning performance compared with the availability of only conventional resources. **Meaning** In this study, the use of an LLM did not necessarily enhance diagnostic reasoning of physicians beyond conventional resources; further development is needed to effectively integrate LLMs into clinical practice.